



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 6

Test Date: March 2009
Code: 12661807
SAU: MSAD 75
School: Mt Ararat Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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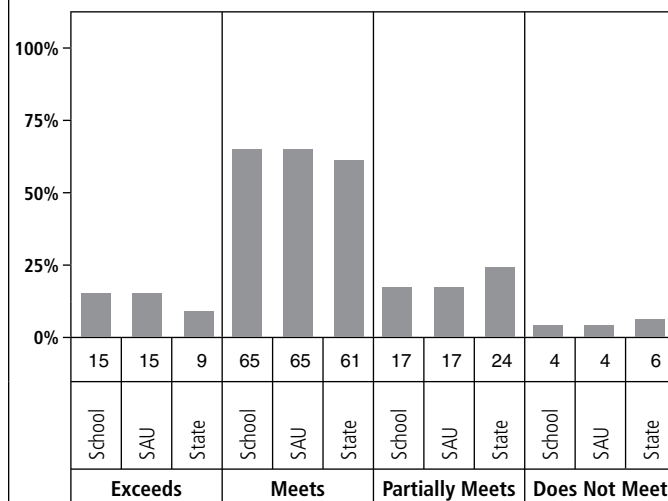
SUMMARY OF SCORES

Test Date: March 2009
Grade: 6
SAU: MSAD 75
School: Mt Ararat Middle School

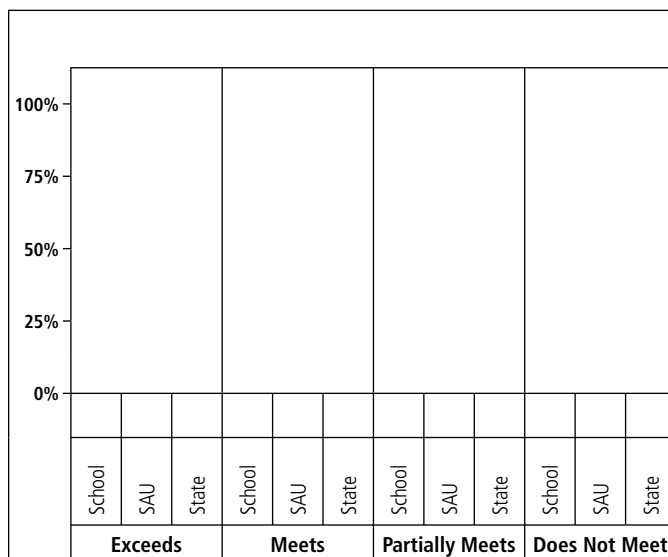
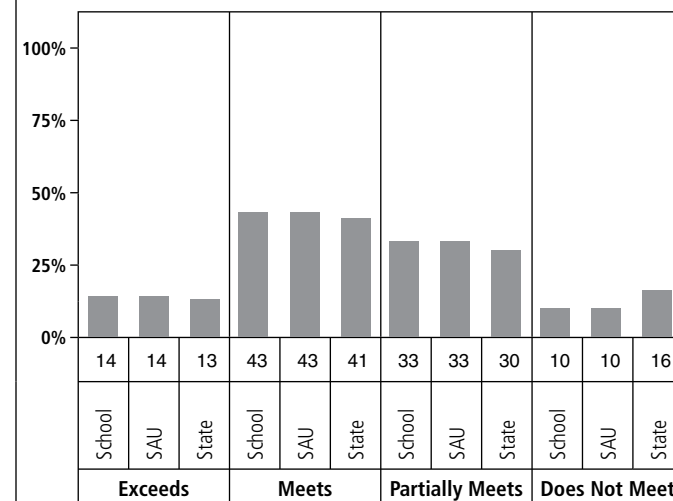
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	649	649	646
2007–2008	650	650	648
2008–2009	650	650	647
Cum. Avg.*	650	650	647
Mathematics			
2006–2007	648	648	643
2007–2008	642	642	642
2008–2009	646	646	643
Cum. Avg.*	645	645	643

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 6
SAU: MSAD 75
School: Mt Ararat Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	221	100	221	100	14251	100	219	100	219	100	14150	99	219	100	219	100	14156	100						
Ethnicity African American/Black	3	1	3	1	421	3	3	100	3	100	412	98	3	100	3	100	415	99						
American Indian or Native Alaskan	3	1	3	1	128	1	3	100	3	100	127	99	3	100	3	100	128	100						
Asian or Pacific Islander	3	1	3	1	212	1	3	100	3	100	210	99	3	100	3	100	212	100						
Hispanic	2	1	2	1	181	1	2	100	2	100	177	98	2	100	2	100	178	99						
Caucasian/White	210	95	210	95	13309	93	208	100	208	100	13224	100	208	100	208	100	13223	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	50	23	50	23	2468	17	48	98	48	98	2423	99	48	98	48	98	2426	99						
Current LEP	0	0	0	0	341	2	0	0	0	0	330	97	0	0	0	0	338	99						
Economically disadvantaged	58	26	58	26	5780	41	57	100	57	100	5724	99	57	100	57	100	5725	99						
Migrant	0	0	0	0	4	0	0	0	0	0	4	100	0	0	0	0	4	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	162	73	162	73	11369	80	162	73	162	73	11373	80						
Identified disability (PET/IEP)	3	2	3	2	355	3	3	2	3	2	371	3						
LEP	0	0	0	0	167	1	0	0	0	0	170	1						
504 plan	7	4	7	4	172	2	7	4	7	4	175	2						
Participation with accommodations	56	25	56	25	2594	18	56	25	56	25	2605	18						
Identified disability (PET/IEP)	44	79	44	79	1881	73	44	79	44	79	1877	72						
LEP	0	0	0	0	155	6	0	0	0	0	161	6						
504 plan	6	11	6	11	74	3	6	11	6	11	71	3						
Other	6	11	6	11	519	20	6	11	6	11	532	20						
Participation through alternate assessment (PAAP)	1	0	1	0	187	1	1	0	1	0	178	1						
Identified disability (PET/IEP)	1	100	1	100	187	100	1	100	1	100	178	100						
LEP	0	0	0	0	8	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	1	0	1	0	26	0	1	0	1	0	25	0						
Non-participation – other	1	0	1	0	75	1	1	0	1	0	70	0						

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 6
SAU: MSAD 75
School: Mt Ararat Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 662–680)	2006-2007	22	11	22	11	1132	8
	2007-2008	43	19	43	19	1817	13
	2008-2009	33	15	33	15	1309	9
	Cum. Total*	98	15	98	15	4258	10
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 642–660)	2006-2007	127	64	127	64	8127	57
	2007-2008	124	55	124	55	8072	57
	2008-2009	141	65	141	65	8564	61
	Cum. Total*	392	61	392	61	24763	59
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 630–640)	2006-2007	44	22	45	23	3549	25
	2007-2008	47	21	47	21	3194	23
	2008-2009	36	17	36	17	3291	24
	Cum. Total*	127	20	128	20	10034	24
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 600–628)	2006-2007	6	3	6	3	1478	10
	2007-2008	10	4	10	4	981	7
	2008-2009	8	4	8	4	799	6
	Cum. Total*	24	4	24	4	3258	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	35.8	63.9	35.8	63.9	33.8	60.4
A1/A2 Interconnected Elements/Literary Text	20	36	12.7	63.5	12.7	63.5	11.9	59.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	23.1	64.2	23.1	64.2	21.9	60.8

The MEA assesses students’ reading skills based on questions related to three types of reading passages: literary, informational, and persuasive. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009

Grade: 6

SAU: MSAD 75

School: Mt Ararat Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	218	33	15	141	65	36	17	8	4	650	218	15	65	17	4	650	13963	9	61	24	6	647
Ethnicity																						
African American/Black	3										3						403	5	46	34	15	641
American Indian or Native Alaskan	3										3						125	4	49	38	10	642
Asian or Pacific Islander	3										3						206	18	56	20	6	649
Hispanic	2										2						174	5	55	33	7	644
Caucasian/White	207	32	15	134	65	34	16	7	3	650	207	15	65	16	3	650	13055	9	62	23	5	647
Not Reported	0										0						0					
Identified disability																						
Yes	47	0	0	23	49	16	34	8	17	640	47	0	49	34	17	640	2236	1	30	48	22	637
No	171	33	19	118	69	20	12	0	0	652	171	19	69	12	0	652	11727	11	67	19	3	649
Current LEP																						
Yes	0										0						322	2	39	37	21	638
No	218	33	15	141	65	36	17	8	4	650	218	15	65	17	4	650	13641	10	62	23	5	647
Economically disadvantaged																						
Yes	57	2	4	36	63	13	23	6	11	644	57	4	63	23	11	644	5617	4	54	33	9	643
No	161	31	19	105	65	23	14	2	1	652	161	19	65	14	1	652	8346	13	66	17	3	650
Migrant																						
Yes	0										0						4					
No	218	33	15	141	65	36	17	8	4	650	218	15	65	17	4	650	13959	9	61	24	6	647
Gender																						
Female	95	15	16	60	63	16	17	4	4	650	95	16	63	17	4	650	6743	13	63	20	4	649
Male	123	18	15	81	66	20	16	4	3	649	123	15	66	16	3	649	7220	6	60	27	7	645
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1408	4	41	43	12	641
No	218	33	15	141	65	36	17	8	4	650	218	15	65	17	4	650	12555	10	64	21	5	648
Gifted/talented program																						
Yes	13	9	69	4	31	0	0	0	0	663	13	69	31	0	0	663	636	39	59	2	0	659
No	205	24	12	137	67	36	18	8	4	649	205	12	67	18	4	649	13327	8	61	25	6	647

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 6
SAU: MSAD 75
School: Mt Ararat Middle School

QUESTIONNAIRE ITEMS	School										SAU						State						
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	
		%	N	%	N	%	N	%	N														%
How much homework do you do on school nights?																							
A. none	3	0	0	2	33	2	33	2	33	637	3	0	33	33	33	637	6	5	47	32	16	642	
B. less than one hour	61	18	14	86	66	24	18	3	2	649	61	14	66	18	2	649	59	9	62	24	5	647	
C. one to two hours	35	14	18	53	70	8	11	1	1	652	35	18	70	11	1	652	32	11	64	21	4	648	
D. more than two hours	1	1	33	0	0	1	33	1	33	644	1	33	0	33	33	644	3	10	50	26	13	644	
Which of the following best describes how you rate yourself as a student in reading?																							
A. very good	29	22	35	36	57	4	6	1	2	655	29	35	57	6	2	655	31	17	66	14	3	651	
B. good	56	11	9	87	73	20	17	2	2	649	56	9	73	17	2	649	48	8	64	23	5	647	
C. fair	14	0	0	18	58	11	35	2	6	644	14	0	58	35	6	644	18	2	48	40	10	641	
D. poor	0	0	0	0	0	0	0	1	100	628	0	0	0	0	100	628	2	1	34	47	18	638	
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																							
A. The questions on the test match what I have learned in reading class.	47	22	22	69	68	9	9	1	1	653	47	22	68	9	1	653	38	13	65	18	3	650	
B. They match some of what I have learned.	44	10	11	64	68	17	18	3	3	648	44	11	68	18	3	648	49	8	63	24	5	647	
C. They match just a little of what I have learned.	7	1	6	7	44	7	44	1	6	642	7	6	44	44	6	642	10	5	48	36	11	642	
D. There is no match.	2	0	0	1	20	2	40	2	40	636	2	0	20	40	40	636	3	3	35	38	24	639	
How difficult was the reading part of this test?																							
A. more difficult than my regular schoolwork	26	8	14	28	50	15	27	5	9	646	26	14	50	27	9	646	16	7	52	30	11	644	
B. about the same as my regular schoolwork	64	22	16	100	72	16	12	0	0	651	64	16	72	12	0	651	66	10	64	22	4	648	
C. easier than my regular schoolwork	10	2	10	13	62	4	19	2	10	647	10	10	62	19	10	647	17	11	61	22	5	648	
How difficult were the reading passages on this test?																							
A. Most of the passages were more difficult than what I normally read.	15	0	0	19	58	12	36	2	6	644	15	0	58	36	6	644	10	2	39	42	17	639	
B. Most of the passages were about the same as what I normally read.	54	14	12	84	72	15	13	4	3	649	54	12	72	13	3	649	55	6	62	27	5	646	
C. Most of the passages were easier than what I normally read.	30	19	29	37	57	8	12	1	2	653	30	29	57	12	2	653	35	16	67	14	3	651	
How hard did you try on the reading part of this test?																							
A. I tried harder on this test than I do on my regular schoolwork.	60	18	14	88	68	21	16	2	2	650	60	14	68	16	2	650	48	10	60	24	6	647	
B. I tried about the same as I do on my regular schoolwork.	38	15	19	49	60	13	16	4	5	650	38	19	60	16	5	650	49	10	63	22	5	648	
C. I did not try as hard on this test as I do on my regular schoolwork.	2	0	0	2	50	1	25	1	25	640	2	0	50	25	25	640	3	3	53	29	15	642	
How much time do you spend reading at home each day?																							
A. more than one hour	20	10	23	28	64	6	14	0	0	653	20	23	64	14	0	653	23	15	65	16	4	650	
B. 20 minutes to an hour	64	22	16	93	67	19	14	4	3	650	64	16	67	14	3	650	49	10	64	22	4	648	
C. less than 20 minutes	9	1	5	12	63	5	26	1	5	646	9	5	63	26	5	646	11	6	58	29	7	645	
D. I rarely read at home.	7	0	0	8	53	5	33	2	13	641	7	0	53	33	13	641	17	2	51	36	11	642	
Optional school/SAU question																							
A.	35	6	8	47	64	13	18	7	10	647	35	8	64	18	10	647							
B.	11	3	13	16	70	4	17	0	0	651	11	13	70	17	0	651							
C.	5	1	9	9	82	1	9	0	0	653	5	9	82	9	0	653							
D.	49	22	22	63	62	16	16	0	0	651	49	22	62	16	0	651							

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 6
SAU: MSAD 75
School: Mt Ararat Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 662–680)	2006-2007	36	18	36	18	2092	15
	2007-2008	22	10	22	10	1474	10
	2008-2009	31	14	31	14	1807	13
	Cum. Total*	89	14	89	14	5373	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 642–660)	2006-2007	87	44	88	44	5731	40
	2007-2008	99	44	99	44	6008	43
	2008-2009	94	43	94	43	5662	41
	Cum. Total*	280	44	281	44	17401	41
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 628–640)	2006-2007	63	32	63	32	4175	29
	2007-2008	65	29	65	29	4244	30
	2008-2009	72	33	72	33	4219	30
	Cum. Total*	200	31	200	31	12638	30
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 600–626)	2006-2007	13	7	13	7	2308	16
	2007-2008	38	17	38	17	2346	17
	2008-2009	21	10	21	10	2290	16
	Cum. Total*	72	11	72	11	6944	16

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	32.4	57.9	32.4	57.9	30.6	54.6
A. Number	18	32	11.3	62.8	11.3	62.8	10.3	57.2
B. Data	12	21	6.4	53.3	6.4	53.3	6.6	55.0
C. Geometry	14	25	7.8	55.7	7.8	55.7	7.3	52.1
D. Algebra	12	21	7.0	58.3	7.0	58.3	6.5	54.2

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009

Grade: 6

SAU: MSAD 75

School: Mt Ararat Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	218	31	14	94	43	72	33	21	10	646	218	14	43	33	10	646	13978	13	41	30	16	643
Ethnicity																						
African American/Black	3										3						406	4	26	36	34	633
American Indian or Native Alaskan	3										3						126	4	29	40	28	635
Asian or Pacific Islander	3										3						208	18	47	23	12	647
Hispanic	2										2						175	5	31	41	23	638
Caucasian/White	207	30	14	92	44	66	32	19	9	646	207	14	44	32	9	646	13063	13	41	30	16	643
Not Reported	0										0						0					
Identified disability																						
Yes	47	2	4	10	21	21	45	14	30	633	47	4	21	45	30	633	2248	3	18	33	46	629
No	171	29	17	84	49	51	30	7	4	649	171	17	49	30	4	649	11730	15	45	30	11	646
Current LEP																						
Yes	0										0						331	3	22	35	40	631
No	218	31	14	94	43	72	33	21	10	646	218	14	43	33	10	646	13647	13	41	30	16	643
Economically disadvantaged																						
Yes	57	0	0	12	21	34	60	11	19	635	57	0	21	60	19	635	5620	6	33	37	25	637
No	161	31	19	82	51	38	24	10	6	649	161	19	51	24	6	649	8358	18	45	26	11	647
Migrant																						
Yes	0										0						4					
No	218	31	14	94	43	72	33	21	10	646	218	14	43	33	10	646	13974	13	41	30	16	643
Gender																						
Female	95	9	9	39	41	35	37	12	13	642	95	9	41	37	13	642	6738	12	40	32	16	642
Male	123	22	18	55	45	37	30	9	7	648	123	18	45	30	7	648	7240	14	41	29	16	644
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1410	3	24	41	32	634
No	218	31	14	94	43	72	33	21	10	646	218	14	43	33	10	646	12568	14	42	29	15	644
Gifted/talented program																						
Yes	13	9	69	4	31	0	0	0	0	668	13	69	31	0	0	668	637	65	32	3	0	665
No	205	22	11	90	44	72	35	21	10	644	205	11	44	35	10	644	13341	10	41	31	17	642

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NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 6

SAU: MSAD 75

School: Mt Ararat Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	3 61 35 1	0 21 10 0	0 16 13 0	1 52 40 1	17 40 53 33	5 45 21 1	83 34 28 33	0 13 5 1	0 10 7 33	637 645 648 631	3 61 35 1	0 16 13 0	17 40 53 33	83 34 28 33	0 10 7 33	637 645 648 631	6 59 32 3	7 13 14 11	32 41 41 31	28 30 31 33	32 16 14 26	636 643 644 639
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	32 50 16 2	22 8 1 0	31 7 3 0	33 51 10 0	47 47 29 0	12 39 17 4	17 36 50 100	3 10 6 0	4 9 18 0	655 643 637 635	32 50 16 2	31 7 3 0	47 47 29 0	17 36 50 100	4 9 18 0	655 643 637 635	30 46 20 4	27 9 2 1	45 45 29 15	18 31 43 46	9 15 26 38	651 643 635 630
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	33 52 13 2	17 14 0 0	24 13 0 0	26 54 13 0	37 49 46 0	22 37 9 4	31 33 32 80	6 6 6 1	8 5 21 20	649 647 637 630	33 52 13 2	24 13 0 0	37 49 46 0	31 33 32 80	8 5 21 20	649 647 637 630	35 50 13 3	18 11 8 5	42 43 31 16	27 31 36 27	13 15 26 51	646 643 638 628
How difficult was the mathematics part of this test? A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	37 54 9	7 18 6	9 16 32	38 47 7	48 41 37	28 38 5	35 33 26	6 12 1	8 10 5	645 645 652	37 54 9	9 16 32	48 41 37	35 33 26	8 10 5	645 645 652	32 56 12	7 13 31	40 42 36	34 30 20	20 15 13	640 644 650
How hard did you try on the mathematics part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	62 35 3	15 15 0	11 20 0	67 26 1	51 35 14	43 25 3	33 33 43	7 9 3	5 12 43	647 646 627	62 35 3	11 20 0	51 35 14	33 33 43	5 12 43	647 646 627	51 45 4	11 15 12	41 41 28	31 29 32	16 16 28	643 644 638
On average, how many minutes a day do you spend working on mathematics in class? A. less than 30 minutes B. 30–45 minutes C. 45–60 minutes D. more than 60 minutes	5 17 65 13	1 2 25 3	10 5 18 11	3 14 66 11	30 38 47 39	3 18 43 7	30 49 31 25	3 3 6 7	30 8 4 25	637 642 649 640	5 17 65 13	10 5 18 11	30 38 47 39	30 49 31 25	30 8 4 25	637 642 649 640	6 33 45 16	8 10 15 15	29 37 44 41	29 34 29 28	34 19 12 16	635 641 645 644
How often do you use calculators in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	4 21 37 38	3 12 8 8	38 26 10 10	2 16 37 39	25 35 47 48	1 13 26 31	13 28 33 38	2 5 8 4	25 11 10 5	649 648 644 646	4 21 37 38	38 26 10 10	25 35 47 48	13 28 33 38	25 11 10 5	649 648 644 646	9 26 31 34	14 15 13 11	35 40 43 40	29 30 30 31	22 16 14 18	641 644 644 642
How often do you use hands-on materials in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	19 32 30 20	4 9 11 7	10 13 17 17	14 33 26 21	35 49 40 50	14 22 22 13	35 32 34 31	8 4 6 1	20 6 9 2	640 646 647 649	19 32 30 20	10 13 17 17	35 49 40 50	35 32 34 31	20 6 9 2	640 646 647 649	17 28 31 23	8 13 15 14	35 42 43 39	33 30 30 30	24 15 13 17	639 643 645 643
Optional school/SAU question A. B. C. D.	35 11 5 49	9 5 3 13	12 22 27 13	31 10 4 47	42 43 36 47	24 6 4 35	33 26 36 35	9 2 0 6	12 9 0 6	643 648 652 647	35 11 5 49	12 22 27 13	42 43 36 47	33 26 36 35	12 9 0 6	643 648 652 647						

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